

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6 (canceled).

Claim 7 (previously presented): A method for promoting wound healing comprising the steps of:

packing a wound site at a region on a mammal with a foam pad, said foam pad being in fluid communication with a vacuum source;

sealing the region, including said foam pad, with a wound drape; and

communicating a vacuum from said vacuum source through said foam pad to the region;

and

effecting a change in the mammal's inflammatory response at said region while said vacuum is applied thereto.

Claim 8 (original): The method for promoting wound healing as recited in claim 7, wherein said effecting a change step comprises the steps of:

circulating a fluid about said region; and

controlling the temperature of said fluid to obtain said change.

Claim 9 (original): The method for promoting wound healing as recited in claim 8, wherein said fluid is circulated about said region in a flexible envelope, said flexible envelope having an inlet and an outlet for fluid communication therethrough of said fluid.

Claim 10 (original): The method for promoting wound healing as recited in claim 9, said method further comprising the step of sealing said flexible envelope, with said wound drape, between said foam pad and said wound drape.

Claim 11 (amended): A device for promoting wound healing in mammals, comprising:

a negative pressure source;

a pad for placement within a wound of a mammal;

a drape for sealing and enclosing said pad on said wound and for maintaining a reduced pressure within said wound;

a fluid communication means for communicating between said negative pressure source and said pad; and

a heating element for actively heating said pad;

wherein said heating element is in contact with said pad;

wherein said heating element comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 12 (amended): A device for promoting wound healing in mammals, comprising:

a negative pressure source;

a pad for placement within a wound of a mammal;

a drape for sealing and enclosing said pad on said wound and for maintaining a reduced pressure within said wound;

a fluid communication means for communicating between said negative pressure source and said pad;

a heating element for actively heating said pad; and

~~The device according to claim 11 further comprising~~ a cooling element for actively cooling said pad subsequent to heating said pad.

Claim 13 (canceled).

Claim 14 (previously presented): The device according to claim 11 wherein said heating element comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 15 (previously presented): The device according to claim 12 wherein said cooling element comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 16 (previously presented): The device according to claim 14 further comprising a source of warm fluid for circulation through said fluid channels.

Claim 17 (previously presented): The device according to claim 15 further comprising a source of cool fluid for circulation through said fluid channels.

Claim 18 (previously presented): A device for promoting wound healing in mammals, comprising:

- a negative pressure source;
- a pad for placement within a wound of a mammal;
- a cover for maintaining a reduced pressure within the wound;
- a fluid communication means for communication between said negative pressure source and said pad; and
- a cooling element for actively cooling said pad.

Claim 19 (previously presented): The device according to claim 18 further comprising a heating element for actively heating said pad subsequent to cooling said pad.

Claim 20 (previously presented): The device according to claim 18 wherein said cover is interposed between said pad and said cooling element.

Claim 21 (previously presented): The device according to claim 18 wherein said cooling element comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 22 (previously presented): The device according to claim 19 wherein said heating element comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 23 (previously presented): The device according to claim 21 further comprising a source of cool fluid for circulation through said fluid channels.

Claim 24 (previously presented): The device according to claim 22 further comprising a source of warm fluid for circulation through said fluid channels.

Claim 25 (previously presented): A device for promoting wound healing in mammals, comprising:

- a negative pressure source;
- a pad for placement within a wound of a mammal;
- a cover for maintaining a reduced pressure within said wound;
- a fluid communication means for communicating between said negative pressure source and said pad; and
- a heating and cooling pad for affecting metabolic function at said wound, and positioned proximate said pad.

Claim 26 (previously presented): The device according to claim 25 wherein said heating and cooling pad comprises at least two sheets having a plurality of apertures and fixedly connected such that said apertures form a plurality of fluid channels.

Claim 27 (previously presented): The device according to claim 25 further comprising a source of warm or cool fluid for circulation through said fluid channels.